

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1. (Currently amended) [[:]] ~~Use of~~ A separator system for initial separation at a well head of fluid from an oil and gas reservoir, the system comprising:

at least two separators, each separator ~~comprising an essentially~~ including a substantially cylindrical vertical separator tank (1), a tangentially arranged inlet (2), at least one outlet (3) for oil and gas in ~~the~~ an upper part of the separator tank, an outlet (4) for water ~~placed in the~~ a lower part of the separator tank, an inner concentric wall (10) formed as a cylinder placed in the upper part of the separator tank leaving an open space between said cylinder and ~~the~~ a top of the ~~space separator tank~~, and ~~further~~ leaving a space between said cylinder and ~~the~~ a bottom of the separator tank, an outlet (8) for solids ~~placed in the lower part of the separator tank~~, and ~~optionally provided with~~ an inlet guide vane (11) ~~placed located~~ between the separator tank (1) and the inner cylinder (10) leaving an open space between the inner cylinder and the inlet guide vane (11), and ~~further optionally provided with a~~

concentrically arranged horizontal circular plate ~~(12)~~ having a smaller diameter that is less than a diameter of the separator tank, ~~placed the horizontal circular plate being located in the lower part of the separator tank above the outlet for water (4) and the outlet for solids; (8), for the initial separation at the well of the fluid from an oil and gas reservoir, wherein and~~
a gas injector for subjecting the fluid is subjected to gas injection for improved separation in at least one of said separator tanks.

~~Claim 2.~~ (Currently amended)[[:]] Use The separator system according to claim 1, wherein the fluid ~~from an oil and gas reservoir~~ is subjected to the gas injection before entering the separator tank.

~~Claim 3.~~ (Currently amended)[[:]] Use The separator system according to claim 1, wherein ~~the~~ a gas for the gas injection is a hydrocarbaceous gas.

~~Claim 4.~~ (Currently amended)[[:]] Use The separator system according to claim 1, wherein ~~the~~ a gas for the gas injection is gas recycled from the oil and gas ~~production~~ reservoir.

~~Claim 5.~~ (Currently amended)[[:]] ~~Use~~ The separator system
according to claim 1, wherein two or more of the separator tanks
are ~~used~~ configured in series.

~~Claim 6.~~ (Currently amended)[[:]] ~~Use~~ The separator system
according to claim 1, wherein two or more of the separator tanks
are ~~used~~ configured in parallel.

~~Claim 7.~~ (Currently amended)[[:]] ~~Use~~ The separator system
according to claim 1, wherein ~~the~~ a pressure in the separator ~~the~~
tank is ~~from~~ at least atmospheric pressure ~~and up~~.

~~Claim 8.~~ (Currently amended)[[:]] ~~Use~~ The separator system
according to claim 1, wherein the system is configured for an
initial separation ~~comprises~~ treatment of about 100 m³ of the
fluid per hour per 1 m³ of the separator tank volume.

~~Claim 9.~~ (Currently amended)[[:]] ~~Use~~ The separator system
according to claim 1, wherein the system is configured to
separate the fluid ~~in-separated~~ into an oil/gas phase and a water
phase.

~~Claim 10.~~ (Currently amended)[[:]] ~~Use~~ The separator system
according to claim 9, wherein, in an additional stage, the system
is configured to separate the separated oil/gas phase ~~is~~

~~separated~~ into an oil phase and a gas phase ~~in an additional~~
stage.

11. (New) A method of initial separation of fluid from an oil and gas reservoir at a well head, the method comprising:

a step of effecting the separation of the fluid in at least two separators to provide at least an oil fraction, a gas fraction, and a water fraction,

each separator including a substantially cylindrical vertical tank, a tangentially arranged fluid inlet, at least one oil and gas outlet in an upper part of the tank, a water outlet in a lower part of the tank, a cylinder in the upper part of the tank configured to provide a space both between a top of the tank and a bottom of the tank and the cylinder, a solids outlet in the lower part of the tank, and an inlet guide vane located between the tank and the cylinder with a space between the cylinder and the inlet guide vane, and a concentrically arranged horizontal circular plate having a diameter that is less than a diameter of the tank, the horizontal circular plate being located in the lower part of the tank above the water outlet and the solids outlet; and

a step of injecting a gas into the fluid in at least one of the separator tanks to provide for improved separation of the fluid.

12. (New) The method according to claim 11, wherein the fluid is injected with the gas before the fluid enters the tank.

13. (New) The method according to claim 11, wherein the gas injection step includes recycling from the separator a portion of the separated gas fraction.

14. (New) The method according to claim 11, further comprising a step of separating from the fluid a solids portion.

15. (New) The method according to claim 11, wherein the at least two separators are configured in series or in parallel.